

IN THE CLAIMS

Please amend the claims as follows:

Claims 1- 54 (Cancelled).

55. (Allowed): A baculovirus vector selected from the group consisting of PfMSP1p19A deposited at the CNCM under No. I-1661, PfMSP1p19S deposited at the CNCM under No. I-1662, and PcMSP1p19S deposited at the CNCM under No. I-1663.

Claims 56-66 (Cancelled)

67. (Allowed): A baculovirus vector comprising:

- (a) a promoter;
- (b) a synthetic polynucleotide comprising a synthetic sequence encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) having a GC content of between 40% to 60%, and a glycosylphosphatidylinositol anchor coding sequence from a CD59 gene or a CD14 gene; and
- (c) a polynucleotide encoding a signal sequence of a *Plasmodium vivax* MSP-1 protein.

68. (Allowed): A baculovirus vector comprising a promoter and a synthetic nucleotide sequence comprising SEQ ID NO: 7.

69. (Allowed): A baculovirus vector comprising:

- (a) a promoter;
- (b) a synthetic polynucleotide of a sequence SEQ ID NO:9 encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) and having a GC content of 40% to 60%; and
- (c) a polynucleotide encoding a signal peptide of a *Plasmodium* MSP-1 protein.

70. (Allowed): A baculovirus vector comprising:

- (a) a promoter;

- (b) a synthetic polynucleotide consisting essentially of a sequence SEQ ID NO:1 encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) and having a GC content of 40% to 60%, and a glycosylphosphatidylinositol anchor coding sequence; and
- (c) a polynucleotide encoding a signal peptide of a *Plasmodium* MSP-1 protein.

71. (Allowed): The baculovirus vector of Claim 70, wherein said glycosylphosphatidylinositol anchor coding sequence is from a CD59 gene or a CD14 gene.

72. (Allowed): The baculovirus vector of Claim 70, wherein said synthetic polynucleotide is SEQ ID NO:4.

73. (Allowed): The baculovirus vector of Claim 69, wherein said synthetic polynucleotide and said polynucleotide encoding a signal peptide comprise SEQ ID NO:7.

Claim 74 (Cancelled).

75. (Allowed): A baculovirus vector comprising:

- (a) a promoter;
- (b) a synthetic polynucleotide consisting essentially of a sequence SEQ ID NO:1 encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) and having a GC content of 40% to 60%, and a sequence encoding a *Plasmodium vivax* Duffy binding protein or a *Plasmodium falciparum* EBA-175 protein; and
- (c) a polynucleotide encoding a signal peptide of a *Plasmodium* MSP-1 protein.

Claims 76-80 (Cancelled).

81. (Currently Amended): A synthetic polynucleotide comprising a synthetic sequence encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) having a total GC content of 40% to 60%, wherein said synthetic sequence is contained in a baculovirus vector selected from the group consisting of

PfMSP1p19A deposited at the CNCM under No. I-1661 and PfMSP1p19S deposited at the CNCM under No. I-1662~~The synthetic polynucleotide of Claim 76~~, wherein said synthetic polynucleotide further comprises a polynucleotide encoding a signal peptide of a *Plasmodium* MSP-1 protein.

Claims 82-83 (Cancelled)

84. (Allowed): A baculovirus vector comprising:

- (a) a promoter;
- (b) a synthetic polynucleotide comprising a synthetic sequence encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* merozoite surface protein 1 (MSP-1) and having a GC content of 40% to 60%; and
- (c) a polynucleotide encoding a signal sequence of a *Plasmodium vivax* MSP-1 protein,

wherein said synthetic sequence is contained in a baculovirus vector selected from the group consisting of PfMSP1p19A deposited at the CNCM under No. I-1661 and PfMSP1p19S deposited at the CNCM under No. I-1662.

85. (Allowed): The baculovirus vector of Claim 84, wherein said synthetic polynucleotide further comprises a glycosylphosphatidylinositol anchor coding sequence.

86. (Allowed): The baculovirus vector of Claim 85, wherein said glycosylphosphatidylinositol anchor coding sequence is from a CD59 gene or a CD14 gene.